

Title (en)

METHOD AND APPARATUS FOR INCREASING UPDATE RATES IN MEASUREMENT INSTRUMENTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERHÖHUNG DER DATENSCHRITTAKTUALISIERUNG IN MESSINSTRUMENTEN

Title (fr)

PROCEDE ET APPAREIL D'ACCROISSEMENT DES TAUX DE MISE A JOUR DANS DES INSTRUMENTS DE MESURE

Publication

**EP 0916079 B1 20021106 (EN)**

Application

**EP 97936258 A 19970729**

Priority

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Abstract (en)

[origin: WO9804894A1] A method of processing readings in a measurement instrument is provided to allow for faster updates when dealing with very complex characterization equations. The present method calculates the exact and precise process variable utilizing these complex equations somewhat infrequently, while providing the ability to perform updates using a less complicated characterization equation estimation according to Taylor's theorem. By accomplishing faster update rates, the measurement instrument provides a process control system with the necessary speed and performance to accomplish tighter control.

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